

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: April 19, 2005

Inspector: Don Ukers

Location: 345kV XLPE Component

Storm/

Rain Event: Approximately 0.28" of precipitation was recorded on 4/13 as reported by NOAA

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	<p>-The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-4/19/06.</p> <p>- No obvious sediment tracking was present on the roadway. 4/19/06</p> <p>-Active trenchwork returned to Plumtree Substation, accessed by the driveway. 4/19/06</p> <p>- All observed catch basins were placed with controls. 4/19/06</p> <p>-The stone access off Rt. 58 is in good shape but some vehicle tracking remains in the wetland where the mats were removed. 4/12-4/19/06</p>	<p>- Equipment is located on both sides of the bore as well as in the adjacent ball park during the day. 4/19/06.</p> <p>-Street sweeping is being performed regularly. Continue to monitor. 4/19/06</p> <p>- None at this time.</p> <p>-Continue to place controls on CBs that could receive sediment from the project. 4/19/06</p> <p>- Stone will be removed at the end of work here. See other sections for more information. 4/6-4/19/06</p> <p>-Avoid backtracking into this area since the mats have already been pulled. Restoration should occur here. 4/12-4/19/06</p>	<p>- N/A</p> <p>-Street sweeping will be done regularly.</p> <p>-N/A</p> <p>- CBs are being covered.</p> <p>- N/A.</p>
Trench and foundation construction	<p>- Work at the jack and bore of East Swamp Brook located at the intersection of</p>	<p>- The area remains well contained at this time. 4/19/06</p>	<p>-N/A</p>

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Trench and foundation construction continued	<p>Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing. Sheet piling/shoring is in place on both sides of the intersection. 2/2-4/19/06</p> <p>-Trenching was complete up to the jacking pad. 4/19/06</p> <p>-Jacking operations were on hold while grout was being injected through the drill holes in an effort to dry up water in the bore. 4/19/06</p>	<p>- None at this time. 4/19/06</p> <p>- See erosion control section for more information. 4/19/06</p>	<p>-N/A</p> <p>-N/A</p>
	<p>-Active trenching returned to the Plumtree substation entrance and into the yard here. 4/19/06</p> <p>- Active trenching was no longer noted in the Walnut Hill roadway. 4/19/06</p> <p>-Active work continues in the pull-off near vault 2a and b. 4/12-4/19/06</p> <p>- Active work was noted along Judd Ave. near Whittelsey Dr. 4/19/06</p> <p>-The trench is complete along the slope at Hoyts Hill with a small area of open trench remaining at the base. 4/6-4/19/06</p> <p>- Active trenching was no longer noted in the station pad. 4/19/06</p>	<p>-See erosion control section for more details. 4/19/06</p> <p>-None at this time. 4/19/06</p> <p>- Some additional attention was needed here. See EC section for more details. 4/19/06</p> <p>-None at this time. 4/19/06</p> <p>- Some recommendations are present in the erosion control and access sections. 4/19/06</p>	<p>-N/A</p> <p>-N/A</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Plumtree Substation</p>	<p>- Moving the dewatering box caused some minor disturbance to the wetland swale along the access road. 3/15-4/19/06</p> <p>-Small stockpiles resulting from the active</p>	<p>-The small disturbed area within the swale should be regraded and restored. 3/15-4/19/06</p> <p>-None at this time. 4/19/06</p>	<p>-N/A</p>

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Walnut Hill Rd.	work here remain contained. 4/19/06 - Work continues near vault 2A&B. Silt fence was extended on both sides of the work as recommended. A small repair to the fence was needed. 4/19/06	- The area noted could use repairs. Stone piles here will also be picked up when work is complete. 4/19/06	-Silt fence was extended as recommended.
	- The filter bag was placed with additional haybales as recommended. 4/19/06	- None at this time. Remove filter bag when dewatering is complete. 4/19/06	-Haybales were installed for additional filtration.
Jack and Bore	-The plastic liner was extended within the stream bed. Additional stone was placed and sand bags remain installed to divert the stream away from the work in an attempt to reduce water in the bore. 4/6-4/19/06	-The stream was running clear at the time and will be restored eventually. 4/19/06	-N/A at the time
	-An area of silt fence had been knocked down at the receiving pit side. 4/19/06	-Silt fence should be restored. 4/19/06	
Hoyts Hill	-The grout along the erosion control blanket was chipped up and piled for removal. 4/19/06	-Remove grout piles when feasible. 4/19/06	-Grout was chipped up and ready for removal.
	- Noticeable grass growth had occurred along the slope. 4/19/06	- None at this time, continue to monitor for stabilization. 4/19/06	- N/A (grass growth has occurred)
	-Materials were no longer noted stacked in the adjacent wetland. 4/19/06	-Continue to monitor. 4/19/06	-Materials were removed from the wetland.
	-Equipment tracking was noted in the wetland beyond the stone access where mats had previously been. 4/19/06	- Mats may have been removed prematurely. The wetland surface should be restored. 4/19/06	

Areas of Inspection	Observation	Recommended Action	Corrective Action
Inland Wetland and Watercourse encroachment and mitigation	-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner is in place across the bed and up along the banks to keep water out of the bore trench. Additional stone was added and sand bags were installed in an attempt to divert the water. 4/6-4/19/06	- The stream continues to run clear. Be sure to remove the liner and restore the natural bed when work is complete. Watch the banks where soil was disturbed for any erosion. 2/16-4/19/06	-N/A at this time until the work is complete
State species of concern, threatened and endangered species	-The D&M plan and clearance letter states that state-listed species are not located in this work area. -However, a wood turtle was noted at Plumtree Substation last spring. 4/19/06	- N/A -345kV XLPE crews should also be performing daily walkthroughs before moving equipment in the morning. 4/19/06	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Most work on this project remains in the roadway, access drives or maintained lawn areas. 4/19/06 - A number of areas remain disturbed along the roadways. 4/12-4/19/06	-Restore lawn and vegetation as necessary when work is complete during the growing season. This is needed especially where vaults were installed. 3/2-4/19/06	-Areas should be restored within timeframes if work will not return here.
Dewatering	-The amount of water continues to overwhelm the dewatering efforts at the jack and bore. Grout was being injected into the drill points in an attempt to dry up the water so the work can be performed. 4/19/06 - Dewatering was not noted at Hoyts Hill as active work had ended for the time. 4/6-4/19/06 - Additional haybales were added to the filter bag at vault 2 as recommended. 4/19/06	- In addition, the frac tank had been in use and attempts continue to divert stream water from over the work area with sand bags. 4/6-4/19/06 -Continue to monitor but controls are effective at this time. 4/6-4/19/06 - None at this time. Remove filter bag when dewatering is complete. 4/19/06	-N/A -N/A -N/A

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	- Dewatering has not been necessary for the XLPE work at Plumtree Sub. 4/19/06	- None at this time. 4/19/06	- N/A
Blasting	- No blasting is occurring at this work area.	- None at this time.	-N/A
Soils	- For the most part, soil is being removed directly from the trenchwork on Judd Ave and the operation in the road is very clean. 4/19/06 - Topsoil was stripped and stockpiled at the contractor yard. 3/15-4/19/06	- None at this time. 4/19/06 - None at this time. Controls are well installed here. 3/15-4/19/06	- N/A -N/A
Spills and Material Storage Areas	- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-4/19/06 -Materials had been removed from the wetland area adjacent to the stone access at Hoyts Hill as recommended 4/19/06	- Report spills immediately, even if they are being controlled. - Any fuels and agents not in use should be covered and stored before leaving for the day. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.	-N/A at the time -Materials were removed.

Next likely scheduled inspection:

Wednesday, April 26, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

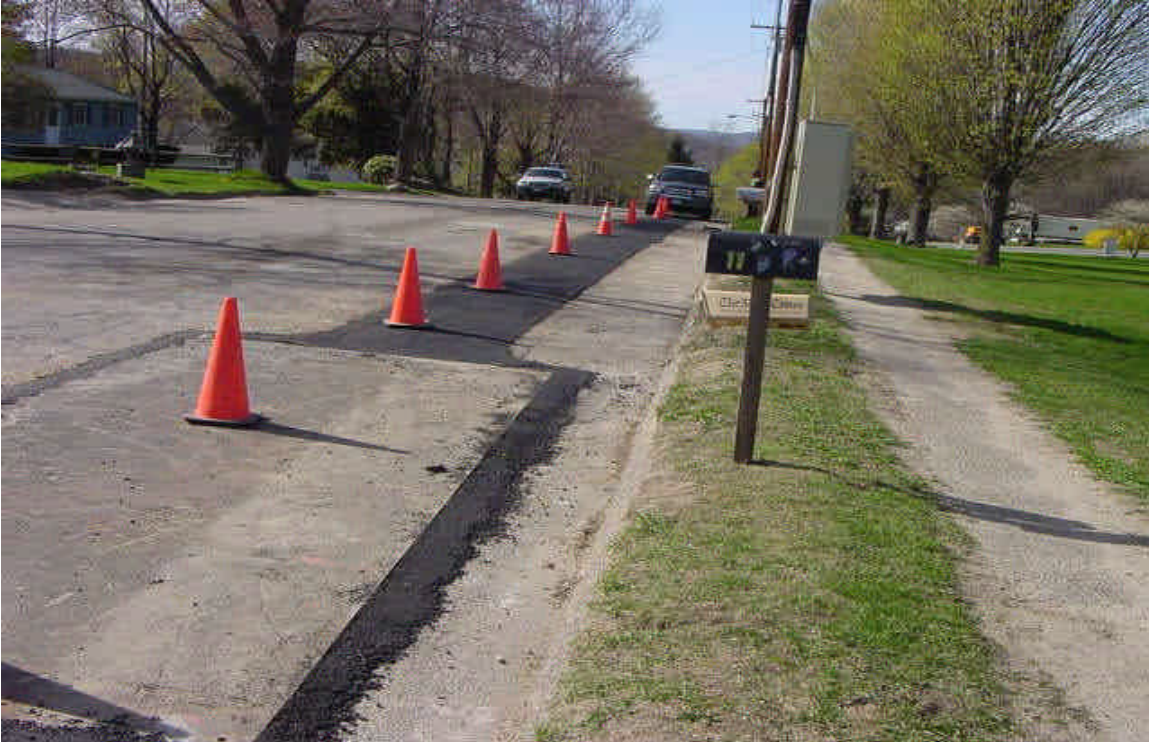
Diana Walden for Don Ukers



345kV XLPE (Walnut Hill Rd): Photo on the left shows a view of the end of the work leading into Plumtree Substation. Photo on the right shows a view of the trenching within the station yard.
4/19/06



(Jack and Bore) Photo on the left shows the stream with the diversions remaining in place. Photo on the right shows a view of the operation at the J&B pad. 4/19/06



(Judd Ave) Photo shows a view of the completed trench near the intersection of Judd Ave and Whittlesey Drive. 4/19/06



(Hoyts Hill): Photo on the left shows a view of the transition station pad where work had been completed for the time. Photo on the right shows a view of the recently restored slope where some new grass growth was noted. Evidence of equipment tracking was also noted in the wetland beyond the stone access. 4/19/06